

## EAST Search History

| Ref # | Hits | Search Query   | DBs                           | Default Operator | Plurals | Time Stamp       |
|-------|------|--|-------------------------------|------------------|---------|------------------|
| S1    | 189  | (castor adj oil (ricinoleic \$2hydroxyoleic octadecenoic hydroxystearic) adj acid) with (transesterifi\$7 inter\$2esterification esterification alkyl adj2 ester ester) and (transesterifi\$7 inter\$2esterification esterification alkyl adj2 ester) same (\$2propanol ethanol methanol butanol (\$2propyl ethyl methyl butyl pentyl amyl lower adj2 (alkyl aliphatic)) near5 alcohol) and (\$10phosphoric \$10phosphorous phosphinic H3PO4 H3PO3 H3PO2 H4P2O7 H3P2O6 "H.sub.3 PO.sub.4" ) same (catalyst catalyzed) and (wt weight mole mol) near2 (percent part '%' \$2%) and temperature | US-PGPUB;<br>USPAT;<br>USOCR  | OR               | ON      | 2006/08/25 13:28 |
| S2    | 44   | S1 and (soluble dissolved dispersion solution extract\$5) with (hydrocarbon refrigeration fuel kerosene diesel)  | US-PGPUB;<br>USPAT;<br>USOCR  | OR               | ON      | 2006/08/25 13:29 |
| S3    | 76   | S1 and (lubricant lubricating fuel corrosion wetting) near5 (additive inhibitor)   | US-PGPUB;<br>USPAT;<br>USOCR  | OR               | ON      | 2006/08/25 13:30 |
| S4    | 25   | S3 and (fatty adj alcohol ester quarternary adj ammonium alkyl adj benzene alkyl\$2benzene) same surfactant  | US-PGPUB;<br>USPAT;<br>USOCR  | OR               | ON      | 2006/08/25 13:31 |
| S5    | 23   | S1 and substituted with (fatty near5 ester fatty\$2ester lower adj alkyl adj2 ester alkyl adj ester)   | US-PGPUB;<br>USPAT;<br>USOCR  | OR               | ON      | 2006/08/25 13:35 |
| S6    | 29   | S1 and (further substituted) with (esterified ester) with react\$4 with (carboxyl acetyl alkyl\$2propoxy alkyl ester )   | US-PGPUB;<br>USPAT;<br>USOCR  | OR               | ON      | 2006/08/25 13:43 |
| S7    | 59   | S1 and (estolide dimer trimer) with acid   | US-PGPUB;<br>USPAT;<br>USOCR  | OR               | ON      | 2006/08/25 13:43 |
| S8    | 18   | S1 and (252/71,72,73,75,79,8.9.ccls. 508/400,455,461,475,486, 491,494,519.ccls. 554/142,167,168,169,174,213,227.ccls. 44/386.ccls.)  | US-PGPUB;<br>USPAT;<br>USOCR  | OR               | ON      | 2006/08/25 13:44 |
| S9    | 9    | (castor adj oil ricinoleic adj acid \$2hydroxyoleic adj acid octadecenoic adj acid ).clm. and (propyl adj ester transester\$10). clm. and (\$2propanol ethanol methanol butanol (\$2propyl ethyl methyl butyl pentyl amyl aliphatic) near5 alcohol).clm. and ( (\$10phosphoric \$10phosphorous) near5 acid.clm.)   | US-PGPUB;<br>USPAT;<br>USOCR  | OR               | ON      | 2006/08/25 13:45 |
| S10   | 12   | (castor adj oil ricinoleic adj acid ) and (transester transesterified transesterification inter\$2esterification esterification ester) and (\$2propanol ethanol methanol butanol (\$2propyl ethyl methyl butyl pentyl amyl decyl fatty lauryl stearyl lower adj2 (alkyl aliphatic)) near5 alcohol) and (phosphoric acid H3PO4) with (catalyst catalyzed)   | FPRS;<br>EPO; JPO;<br>DERWENT | OR               | ON      | 2006/08/25 13:45 |
| S11   | 1    | (master near2 benjamin bryan near2 duffy).in.  | US-PGPUB;<br>USPAT;<br>USOCR  | OR               | ON      | 2006/08/25 13:45 |
| S12   | 24   | ("3524751" "1822977" "4101432" "6018063" "4152915" "5468405" "5464546" "4626444" "4963280" "5681915" "5908818" "5916854" "5997761" "5976399" "6001273" "6002030" "6013194" "6013609" "6019909" "6026649" "6030934" "6090989" "36293").did.   | US-PGPUB;<br>USPAT;<br>USOCR  | OR               | ON      | 2006/08/25 13:46 |
| S13   | 29   | ("591421" "563481" "967197" "9015127" "9222631" "457548" "2374290" "9222627" "671368").did.  | EPO; JPO;<br>DERWENT          | OR               | ON      | 2006/08/25 13:46 |